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3746

DATE MAILED: 04/30/2010

NOTICE OF ALLOWANCE AND FEE(S) DUE

28101 7590 04/30/2010

GRAND RAPIDS ML49546

VAN DYKE, GARDNER, LINN & BURKHART, LLP SUITE 207 2851 CHARLEVOIX DRIVE, S.E. EXAMINER
FREAY, CHARLES GRANT
ART UNIT PAPER NUMBER

 APPLICATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNIEY DOCKET NO.
 CONFRINATION NO.

 10572.821
 12/08/2006
 Manfred Lenhart
 HER07 P-115
 4901

 TILE OF INVENTION. RECIPROCATING SUJERRY PUMP WITH A CONTINUOUS FIELD RATE.

 APPLN TYPE
 SMALL ENTITY
 ISSUE FEE DUE
 PUBLICATION FEE DUE
 PREV. PAID ISSUE FEE
 TOTAL FEE(S) DUE
 DATE DUE

 nonprovisional
 NO
 \$1510
 \$300
 \$0
 \$1810
 07/30/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR I.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF DECURRED) MUST BE PAID WITHIN THREE MONTHS FROM THE

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE: shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE DEE and DURI ICATION DEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notifica	correspondence including ed below or directed out tions.	ng the Patent, advance on nerwise in Block 1, by (rders and notification of a) specifying a new co	of mai rrespo	intenance fees w indence address;	ill be and/o	mailed to the current r (b) indicating a sepa	correspondence rate "FEE ADI	address as DRESS" for
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SUITE 207 2851 CHARLE	N & BURKHART,	LLP I	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being faesimile transmitted to the USPTO (571) 273-2885, on the date indicated below.						
GRAND RAPII	DS, MI 49546							(Dep	ositor's name)
									(Signature)
			[(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	OR		ATTO	RNEY DOCKET NO.	CONFIRMATI	ON NO.
10/572,821	12/08/2006		Manfred Lenhart		HERO:		HER07 P-115	4901	
TITLE OF INVENTION	: RECIPROCATING SI	URRY PUMP WITH A	CONTINUOUS FEED	RATE	3				
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DU	UE P	REV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE	DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810	07/30/	2010
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FREAY, CHA	RLES GRANT	3746	417-053000						
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PTO/SB/47; Rev 03-0 Number is required.	2 or more recent) attach	ned. Use of a Customer	2 registered patent a listed, no name will	attorne	evs or agents. If a	no nan	ie is 3		
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or	r (vne)					
PLEASE NOTE: Un	less an assignee is ident	ified below, no assignee pletion of this form is NO	data will appear on th	e pate	nt. If an assign	e is io	dentified below, the de	cument has be	en filed for
(A) NAME OF ASSI		pietion of this form is NO	(B) RESIDENCE: (C)						
(A) NAME OF ABBI	ONLL		(B) KESIDEIVEE (CI	111 41	III STATE OR C	OUN			
Please check the appropr	iate assignee category or	categories (will not be p	rinted on the patent):	□ In	idividual 🚨 Co	rporati	ion or other private gro	up entity 🔲 G	iovernment
4a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (I	Please	first reapply ar	y prev	lously paid issue fee	shown above)	
Issue Fee			A check is enclose						
Publication Fee () Advance Order -	permitted)	☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any						lit any	
- Advance Order	of Copies		overpayment, to D	eposit	Account Number	r	(enclose a	extra copy of t	his form).
5. Change in Entity Sta	tus (from status indicate is SMALL ENTITY stati		D		-1-ii CMAT	T ENE	FITY 6 27 C	TD 1 27(-)(2)	
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Authorized Signature					Date				
Typed or printed name			Registration No.						
		FR 1.311. The informati	on is required to obtain	or reta	-		lic which is to file (and	by the USPTO	to process)
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/572,821	12/08/2006	Manfred Lenhart	HER07 P-115	4901
28101	7590 04/30/2010		EXAMINER	
VAN DYKE, G.	ARDNER, LINN & E	FREAY, CHARLES GRANT		
SUITE 207			ART UNIT	PAPER NUMBER
2851 CHARLEVO GRAND RAPIDS			3746	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 640 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 640 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	_
10/572,821	LENHART, MANFRED	
Examiner	Art Unit	_
Charles G. Freav	3746	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to April 8, 2010.
- The allowed claim(s) is/are 1-11 and 13-26.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) 🔯 All b) ☐ Some* c) ☐ None of the:
 - 1. T Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No.
 - 3. X Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. | Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08).
- 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- Paper No./Mail Date
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date
- 7. X Examiner's Amendment/Comment
- 8. T Examiner's Statement of Reasons for Allowance
- 9. ☐ Other

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 17 line 7 "plat" has been deleted and --plate-- has been inserted therefore

The above amendment has made to correct a minor and obvious typographical error.

Drawings

The drawings were received on April 8, 2010. These drawings are approved.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles G. Freay whose telephone number is 571-272-4827. The examiner can normally be reached on Monday through Friday 8:30 A.M. to 5:30 P.M..

Art Unit: 3746

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Devon Kramer can be reached on 571-272-7118. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Charles G Freay/ Primary Examiner Art Unit 3746

CGF April 26, 2010